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RAW SEQUENCE LISTING

PATENT APPLICATION: US/09/963,803

DATE: 05/20/2002

TIME: 13:37:17

Input Set : A:\EP.txt

Output Set: N:\CRF3\05202002\I963803.raw

ENTERED

3 <110> APPLICANT: Meristem Therapuetics

5 <120> TITLE OF INVENTION: Chimeric expression promoters originating from commelina
yellow mottle

6 virus and cassava vein mosaic virus

8 <130> FILE REFERENCE: 184332042

10 <140> CURRENT APPLICATION NUMBER: 09/963803

11 <141> CURRENT FILING DATE: 2001-09-26

13 <150> PRIOR APPLICATION NUMBER: FR 99/03925

14 <151> PRIOR FILING DATE: 1999-03-29

16 <150> PRIOR APPLICATION NUMBER: PCT IB00/00370

17 <151> PRIOR FILING DATE: 2000-10-05

19 <160> NUMBER OF SEQ ID NOS: 39

21 <170> SOFTWARE: PatentIn version 3.1

23 <210> SEQ ID NO: 1

24 <211> LENGTH: 243

25 <212> TYPE: DNA

26 <213> ORGANISM: Artificial Sequence

28 <220> FEATURE:

29 <223> OTHER INFORMATION: 243 bp Fragment from the intergenic region of commelina
yellow mo

30 ttle virus

32 <220> FEATURE:

33 <221> NAME/KEY: promoter

34 <222> LOCATION: (1)..(243)

35 <223> OTHER INFORMATION:

38 <400> SEQUENCE: 1

39 atccgccgctc atcaatgaca tcatcacagt actgaggaga tgaataactta gccatgaagt	60
41 agcgtgcgaa tattacctat gcctttatttc gcagcgtag tggcactgaa aggcataaag	120
43 tttgttcggtt cttatcaaaa acgaatctta tctttgtaac ttggttaccc ggtatgccgg	180
45 ttcccaagct ttatttcott atttaagcac ttgtgtagta gcttagaaaa ccaacacaac	240
47 aac	243

50 <210> SEQ ID NO: 2

51 <211> LENGTH: 515

52 <212> TYPE: DNA

53 <213> ORGANISM: Artificial Sequence

55 <220> FEATURE:

56 <223> OTHER INFORMATION: Promoter from the intergenic region of Cassava Vein Mosaic
virus

57 of 515 bp in length EMBL

59 <220> FEATURE:

60 <221> NAME/KEY: promoter

61 <222> LOCATION: (1)..(515)

62 <223> OTHER INFORMATION:

65 <400> SEQUENCE: 2

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66 ccagaaggta attatccaag atgtagcatc aagaatccaa tgtttacggg aaaaactatg 60
68 gaagtattat gtgagctcag caagaagcag atcaatatgc ggcacatatg caacctatgt 120
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70 tcaaaaatga agaattgtaca gatacaagat cctatactgc cagaatacga agaagaatac 180
72 gtagaaattg aaaaagaaga accaggcgaa gaaaagaatc ttgaagacgt aagcactgac 240
74 gacaacaatg aaaagaagaa gataagggtcg gtgattgtga aagagacata gaggacacat 300
76 gtaagggtgga aaatgtaagg gcggaaagta accttatcac aaaggaatct tatccccac 360
78 tactttatcct tttatatttt tccgtgtcat ttttgccctt gagttttcct atataaggaa 420
80 ccaagttcgg catttgtgaa aacaagaaaa aatttgggtg aagctatttt ctttgaagta 480
82 ctgaggatcac aacttcagag aaatttgtaa gtttg 515
85 <210> SEQ ID NO: 3
86 <211> LENGTH: 317
87 <212> TYPE: DNA
88 <213> ORGANISM: Artificial Sequence
90 <220> FEATURE:
91 <223> OTHER INFORMATION: Promoter MPr1116
93 <220> FEATURE:
94 <221> NAME/KEY: promoter
95 <222> LOCATION: (1)..(317)
96 <223> OTHER INFORMATION:
99 <400> SEQUENCE: 3
100 aagcttgcat gctgcagact agtatccgcc gtcacatg acatcatcac agtactgagg 60
102 agatgaatag ctatccatga cactctgtgc gaattattgaa gacgtaagca ctgacgacaa 120
104 caatgaaaag aagaagataa ggtcgggtgat tgtgaaagag acatagagga cacatgtaag 180
106 gtggaaaatg taaggcgga aagtaacctt atgcatttgt aacttgggta cccgggatgc 240
108 cgggttcccaa gctttatttc cttattttaag cacttgtgta gtagcttaga aaaccaacac 300
110 aacaacctag aggatcc 317
113 <210> SEQ ID NO: 4
114 <211> LENGTH: 348
115 <212> TYPE: DNA
116 <213> ORGANISM: Artificial Sequence
118 <220> FEATURE:
119 <223> OTHER INFORMATION: promoter MPr1117
121 <220> FEATURE:
122 <221> NAME/KEY: promoter
123 <222> LOCATION: (1)..(348)
124 <223> OTHER INFORMATION:
127 <400> SEQUENCE: 4
128 aagcttgcat gctgcagac tagtatccgc cgtcatcaat gacatcatca gactagtatc 60
130 cgccgtcatc aatgacatca tcacagtact gaggagatga atagctagcc atgacactct 120
132 gtgcgaatat tgaagacgta agcactgacg acaacaatga aaagaagaag ataagggtcg 180
134 tgattgtgaa gagacataga ggacacatgt aagggtgaaa atgtaagggc ggaaagtaac 240
136 cttatgcatt tgtaacttgg ttaccgggta tgctggttcc caagctttat ttccttattt 300
138 aaacttgtgt agtagcttag aaaaccaaca caacaaccta gaggatcc 348
141 <210> SEQ ID NO: 5
142 <211> LENGTH: 371
143 <212> TYPE: DNA
144 <213> ORGANISM: Artificial Sequence
146 <220> FEATURE:
147 <223> OTHER INFORMATION: promoter MPr1146
149 <220> FEATURE:
150 <221> NAME/KEY: promoter

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151 <222> LOCATION: (1)..(371)
152 <223> OTHER INFORMATION:
155 <400> SEQUENCE: 5
156 aagcttgcat gctgcagact agtatccgcc gtcatcaatg acatcatcac agtactgagg      60
158 agatgaatag ctagtgattg atgtgatatc aagattgatg tgatatctcc actgacgtaa      120
160 gggatgacgc atgccactct gtgcgaatat tgaagacgta agcactgacg acaacaatga      180
162 aaagaagaag ataaggtcgg tgattgtgaa agagacatag aggacacatg taagggtggaa      240
164 aatgtaaggg cggaaagtaa ccttatgcat ttgtaacttg gttacccggg atgccgggtc      300
166 ccaagcttta ttcccttatt taagcacttg tgtagtagct tagaaaacca acacaacaac      360
168 ctagaggatc c
171 <210> SEQ ID NO: 6
172 <211> LENGTH: 398
173 <212> TYPE: DNA
174 <213> ORGANISM: Artificial Sequence
176 <220> FEATURE:
177 <223> OTHER INFORMATION: promoter MPr1147
179 <220> FEATURE:
180 <221> NAME/KEY: promoter
181 <222> LOCATION: (1)..(398)
182 <223> OTHER INFORMATION:
185 <400> SEQUENCE: 6
186 aagcttgcat gcctgcagac tagtatccgc cgtcatcaat gacatcatca gactagtatc      60
188 cgccgtcatc aatgacatca tcacagtact gaggagatga atagctagcc tgcagactag      120
190 tggattgatg tgatatctcc actgacgtaa gggatgacgc atgccactct gtgcgaatat      180
192 tgaagacgta agcactgacg acaacaatga aaagaagaag ataaggtcgg tgattgtgaa      240
194 gagacataga ggacacatgt aagggtggaaa atgtaagggc ggaaagtaac cttatgcatt      300
196 tgtaacttgg ttacccggta tgctggttcc caagctttat ttcccttatt aaacttgtgt      360
198 agtagcttag aaaaccaaca caacaaccta gaggatcc
201 <210> SEQ ID NO: 7
202 <211> LENGTH: 301
203 <212> TYPE: DNA
204 <213> ORGANISM: Artificial Sequence
206 <220> FEATURE:
207 <223> OTHER INFORMATION: promoter MPr1154
209 <220> FEATURE:
210 <221> NAME/KEY: promoter
211 <222> LOCATION: (1)..(301)
212 <223> OTHER INFORMATION:
215 <400> SEQUENCE: 7
216 aagcttgcat gcctgcagac tagtggattg atgtgatatc tccactgacg taagggatga      60
218 cgcatgccac tctgtgcgaa tattgaagac gtaagcactg acgacaacaa tgaaaagaag      120
220 aagataaggt cggtgattgt gaagagacat agaggacaca tgtaagggtg aaaatgtaag      180
222 ggcggaaagt aaccttatgc atttgtaact tggttaccgg gtatgctggt tcccaagctt      240
224 tatttcctta tttaaacttg tgtagtagct tagaaaacca acacaacaac ctagaggatc      300
226 c
229 <210> SEQ ID NO: 8
230 <211> LENGTH: 65
231 <212> TYPE: DNA
232 <213> ORGANISM: Artificial Sequence

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234 <220> FEATURE:
235 <223> OTHER INFORMATION: Directional desoxynucleotide building block
237     S1
240 <400> SEQUENCE: 8
241 catgctgcag actagtatcc gccgtcatca atgacatcat cacagtactg aggagatgaa      60
243 tagct                                                                    65
246 <210> SEQ ID NO: 9
247 <211> LENGTH: 60
248 <212> TYPE: DNA
249 <213> ORGANISM: Artificial Sequence
251 <220> FEATURE:
252 <223> OTHER INFORMATION: Directional desoxynucleotide building block
254     S2
257 <400> SEQUENCE: 9
258 agccatgaca ctctgtgcga atattgaaga cgtaagcact gacgacaaca atgaaaagaa      60
261 <210> SEQ ID NO: 10
262 <211> LENGTH: 62
263 <212> TYPE: DNA
264 <213> ORGANISM: Artificial Sequence
266 <220> FEATURE:
267 <223> OTHER INFORMATION: Directional desoxynucleotide building block
269     S3
272 <400> SEQUENCE: 10
273 gaagataagg tcggtgattg tgaaagagac atagaggaca catgtaagggt ggaaaatgta      60
275 ag                                                                    62
278 <210> SEQ ID NO: 11
279 <211> LENGTH: 63
280 <212> TYPE: DNA
281 <213> ORGANISM: Artificial Sequence
283 <220> FEATURE:
284 <223> OTHER INFORMATION: Directional desoxynucleotide building block
286     S4
289 <400> SEQUENCE: 11
290 ggcggaaagt aaccttatgc atttctaact tggttaccg gtatgccggt tcccaagctt      60
292 tat                                                                    63
295 <210> SEQ ID NO: 12
296 <211> LENGTH: 63
297 <212> TYPE: DNA
298 <213> ORGANISM: Artificial Sequence
300 <220> FEATURE:
301 <223> OTHER INFORMATION: Directional desoxynucleotide building block
303     S5
306 <400> SEQUENCE: 12
307 ttccttatatt aagcacttgt gtagtagctt agaaaaccaa cacaacaacc tagaggatcc      60
309 ccg                                                                    63
312 <210> SEQ ID NO: 13
313 <211> LENGTH: 63
314 <212> TYPE: DNA
315 <213> ORGANISM: Artificial Sequence

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317 <220> FEATURE:
318 <223> OTHER INFORMATION: Directional desoxynucleotide building block
320     S6
323 <400> SEQUENCE: 13
324 catgctgcag actagtggat tgatgtgata tctccactga cgtaagggat gacgcatgcc      60
326 act                                                                    63
329 <210> SEQ ID NO: 14
330 <211> LENGTH: 79
331 <212> TYPE: DNA
332 <213> ORGANISM: Artificial Sequence
334 <220> FEATURE:
335 <223> OTHER INFORMATION: Directional desoxynucleotide building block
337     S7
340 <400> SEQUENCE: 14
341 catgctgcag actagtgatt gatgtgatat caagattgat gtgatatctc cactgacgta      60
343 agggatgacg catgccact                                                  79
346 <210> SEQ ID NO: 15
347 <211> LENGTH: 34
348 <212> TYPE: DNA
349 <213> ORGANISM: Artificial Sequence
351 <220> FEATURE:
352 <223> OTHER INFORMATION: Guide desoxynucleotide building
354     block G1
357 <400> SEQUENCE: 15
358 gactcctcta cttatcgatc ggtactgtga gaca                                34
361 <210> SEQ ID NO: 16
362 <211> LENGTH: 33
363 <212> TYPE: DNA
364 <213> ORGANISM: Artificial Sequence
366 <220> FEATURE:
367 <223> OTHER INFORMATION: Guide desoxynucleotide building
369     block G2
372 <400> SEQUENCE: 16
373 gctgttggtta cttttcttct tctattccag cca                                33
376 <210> SEQ ID NO: 17
377 <211> LENGTH: 31
378 <212> TYPE: DNA
379 <213> ORGANISM: Artificial Sequence
381 <220> FEATURE:
382 <223> OTHER INFORMATION: Guide desoxynucleotide building
384     block G3
387 <400> SEQUENCE: 17
388 attccacctt ttacattccc gcctttcatt g                                  31
391 <210> SEQ ID NO: 18
392 <211> LENGTH: 32
393 <212> TYPE: DNA
394 <213> ORGANISM: Artificial Sequence
396 <220> FEATURE:
397 <223> OTHER INFORMATION: Guide desoxynucleotide building

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VERIFICATION SUMMARY

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